



Ultra-Compact Aluminum Rolling Ladders

PROStep

PROStep

version
0726.1

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1.0 INTRODUCTION

Thank you for purchasing your new rolling ladder from ProStep Access. Your rolling ladder has been manufactured using the latest technology and the highest quality materials. The PROStep delivers more space, greater height, and improved maneuverability for demanding jobsite work.

Features of the PROStep include:

- The working platform is available with a 6 or 9 sq ft. working area and can reach up to 10 ft. depending on the configuration.
- Ease of movement due to lightweight aluminum construction.
- Integrated counterweights enhance stability and provide a lowered center of gravity at height.
- A deployable caster assembly for smooth repositioning without lifting the front of the ladder, resulting in reduced operator fatigue and safety risks.
- Full-size powder-coated handrails for better grip when using the ladder.
- Complete toe board protection to prevent tools, materials and debris from falling to lower levels.
- The working platform is rated for a 1000 lb. load.

Note: The platform extension is rated for a 500 lb. load.

Contact Information

The ProStep Access team is available if you have any questions, or needs, regarding the installation

and assembly of the system. You may contact us at the following:

Phone: 1-843-264-5068

E-mail: info@ErectaStep.com

Address: 219 Safety Ave, Andrews, S.C. 29510

Disclaimer

The information in this manual is provided without any warranty whatsoever, including any damages to personnel, equipment, or the system.

2.0 SAFETY

2.1 Safety Signal Words and Symbols

Safety words and symbols are used in this manual to bring attention to potential physical, and material, hazards. All personnel engaged with operation, maintenance, and work around this system must read, and understand, all the safety warnings.

Safety signal words are used to indicate the severity of a hazard or unsafe practice. The following safety signal words explain the severity of hazards or unsafe practices.

**DANGER**

Indicates a hazard or unsafe practice that **will** result in severe injury or death.

**WARNING**

Indicates a hazard or unsafe practice that **could** result in severe injury or death.

**CAUTION**

Indicates a hazard or unsafe practice that **could** result in minor injury.

NOTICE

Indicates a hazard or unsafe practice that **could** result in property damage or general safety related information.

2.2 Safety Warnings

WARNING



Failure to read and understand all the safety warnings, instructions in this manual, and OSHA requirements could result in serious injury or death. All personnel engaged with the operation, maintenance, and work around this system must read and understand all the safety warnings instructions in this manual and OSHA requirements.



Failure of locking mechanisms or brake systems may result in unexpected movement during use and personnel losing balance that may cause serious injury or death. Always check the locking mechanisms or brake systems are working properly and engaged during use.



WARNING



Use of the platform without the integrated counterweights installed may result in the platform tipping over and personnel falling off the platform or impacting personnel causing serious injury or death. Always place counterweights on the platform before use.



Movement of the platform during use may result in the platform tipping over and personnel on the platform losing balance and falling off causing serious injury or death. Never attempt to adjust the platforms position, or move the platform when personnel are on the platform.



Movement of the platform with tools, or other objects, on the platform may result in those items falling off the platform and impacting personnel causing serious injury or death. Always remove any tools, or objects, from the platform before moving the platform.



Placement of the platform on surfaces that are not level may result in the platform tipping over and causing serious injury or death to personnel on the platform. Always ensure the platform is on a level and flat surface before using the platform.



Exposure to high voltage may result in electrical shock, skin burns and could cause serious injury or death. Always ensure there are no power lines in the path of movement when moving the platform or near the platform during use.



Failure to inspect the platform for damage, worn parts, and working condition during operation, handling, or shipping could result in serious injury or death. Always inspect the platform after receiving shipment and before each shift. for damage, worn parts, and ensure the PROStep is in proper working condition. Never use the platform if there is any damage, worn parts, or it is not in proper working condition. Do not alter or modify the platform from its original design without consultation, and approval from ProStep Access LLC.



Exceeding the 1000 lbs. weight limit of the platform may result in platform failure and personnel falling off the platform causing serious injury or death. Never exceed the weight limit of the platform.

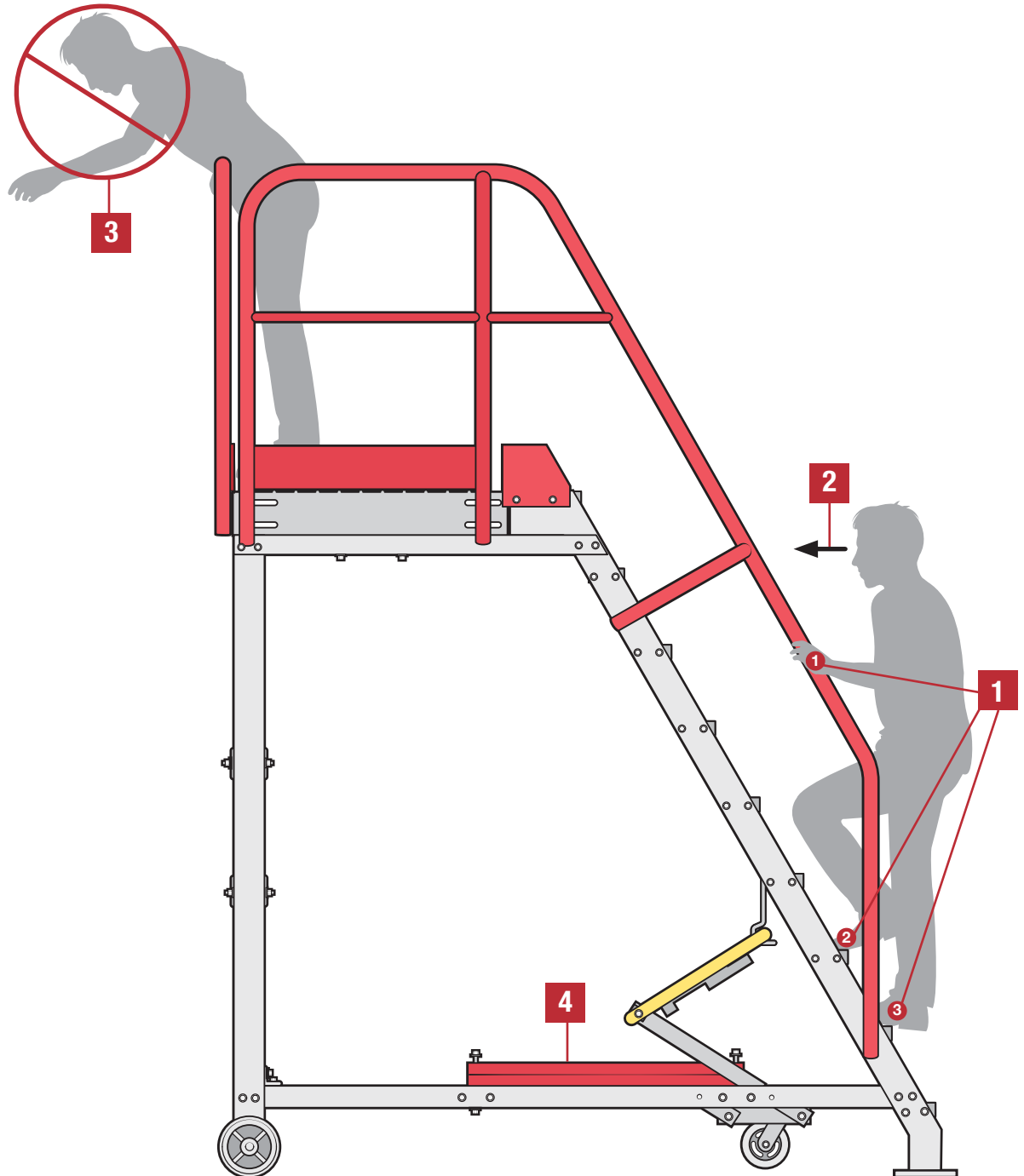


Failure to use safe climbing practices (i.e.: three point contact, facing the ladder, overreaching) may result in personnel losing balance and falling off the platform causing serious injury or death. Always follow safe climbing practices when using the platform.

This product can expose you to chemicals including cadmium, which is known to the State of California to cause cancer, and/or birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov

2.3 Safe Climbing Practices

1. **Three-Point Contact:** Maintain three points of contact (two hands and one foot, or two feet and one hand) at all times.
2. **Face the Ladder:** Always face the ladder when ascending or descending.
3. **Overreaching:** To avoid a fall or tip-over, keep the PROStep close to your task. Do not lean outside the guardrails.





2.4 Safety Label Locations



⚠ DANGER
TILTING HAZARD:
AVOID OVERREACHING

Front face of each platform railing

⚠ DANGER

TILTING HAZARD:
AVOID OVERREACHING

IMPORTANT
ALL HANDRAILS
MUST BE
FASTENED
SECURELY
TO PLATFORM
ASSEMBLY.

Inside of back toe board

⚠ WARNING
DO NOT MOVE
UNIT WHILE
OPERATOR IS
ON PLATFORM.

Inside of each toe board

⚠ DANGER
ELECTRICAL HAZARD:
UNIT CONDUCTIVE

Front face of each rail

PROstep
prostapaccess.com 855.236.1325
MADE IN USA

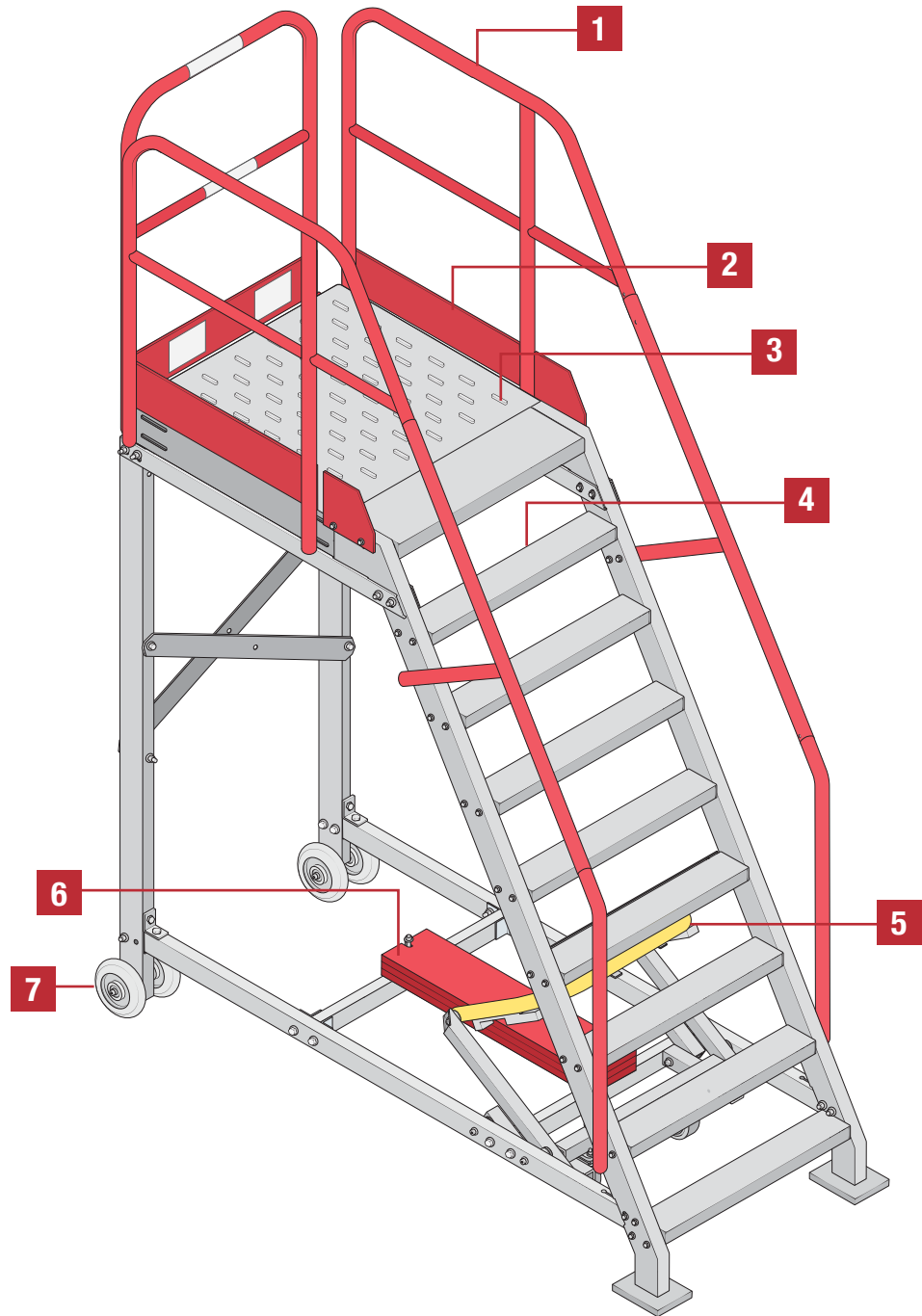
MADE IN
USA

Outside of each toe board

NOVAVISION	
Part #Name: 222536	Revision: 1
Customer: SAMPURCH	Proof Date: 10/20/20
Proof Approved by:	Comments:
Approval Date:	
PLEASE CHECK ONE	
☐ Approved with corrections noted	
☐ Please resubmit new proof with changes noted	
☐ Approved / Proceed with order	
PLEASE READ CAREFULLY!	
Please review this proof carefully, including all file crops. What you see on this proof is exactly what will be printed.	
If an error in the copy is approved and printed, it will be necessary to charge you for the production costs.	
If you returned quickly get the verified price sheet.	
If no proof is returned within 48 days, we must invoice you for all charges.	
Job Description: PROSTEP-1000	Printing Method: SCREEN
Size (H x W): 10 x 10	Base Material: 200G BLACK/WHITE
File #: 1000	Color: 1000

3.0 FEATURES

1. **Guardrails:** Full-size powder-coated in red.
2. **Toe board:** Provides toe protection around the platform.
3. **Platform:** Available in 6 sq ft. or 9 sq ft. platform options with aggressive tread.
4. **Steps:** Depending on the configuration the PROStep includes up to 10 steps.
5. **Deployable swivel caster assembly:** Allows for smooth repositioning.
6. **Integrated counterweight stability system:** Lowers the center of gravity for enhanced stability at height.
7. **Polyurethane wheels:** For ease of moving the unit.



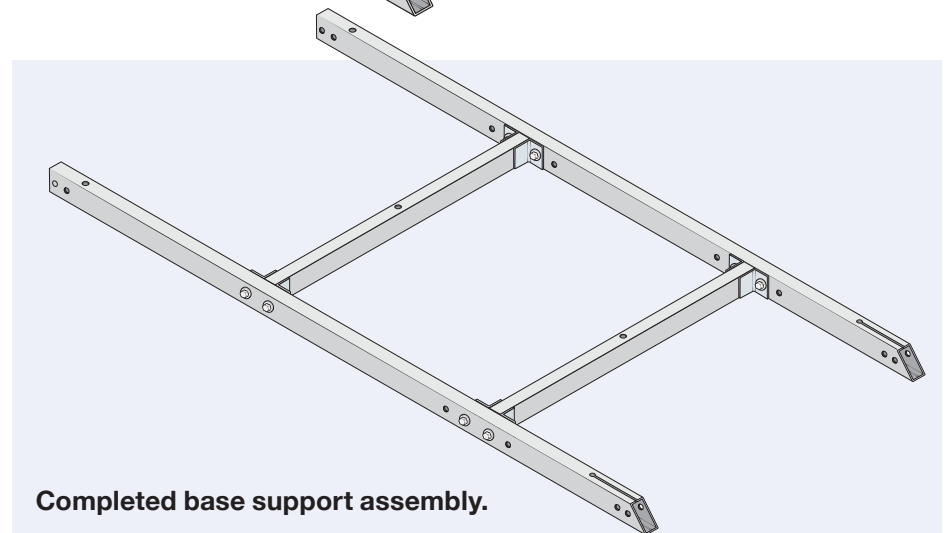
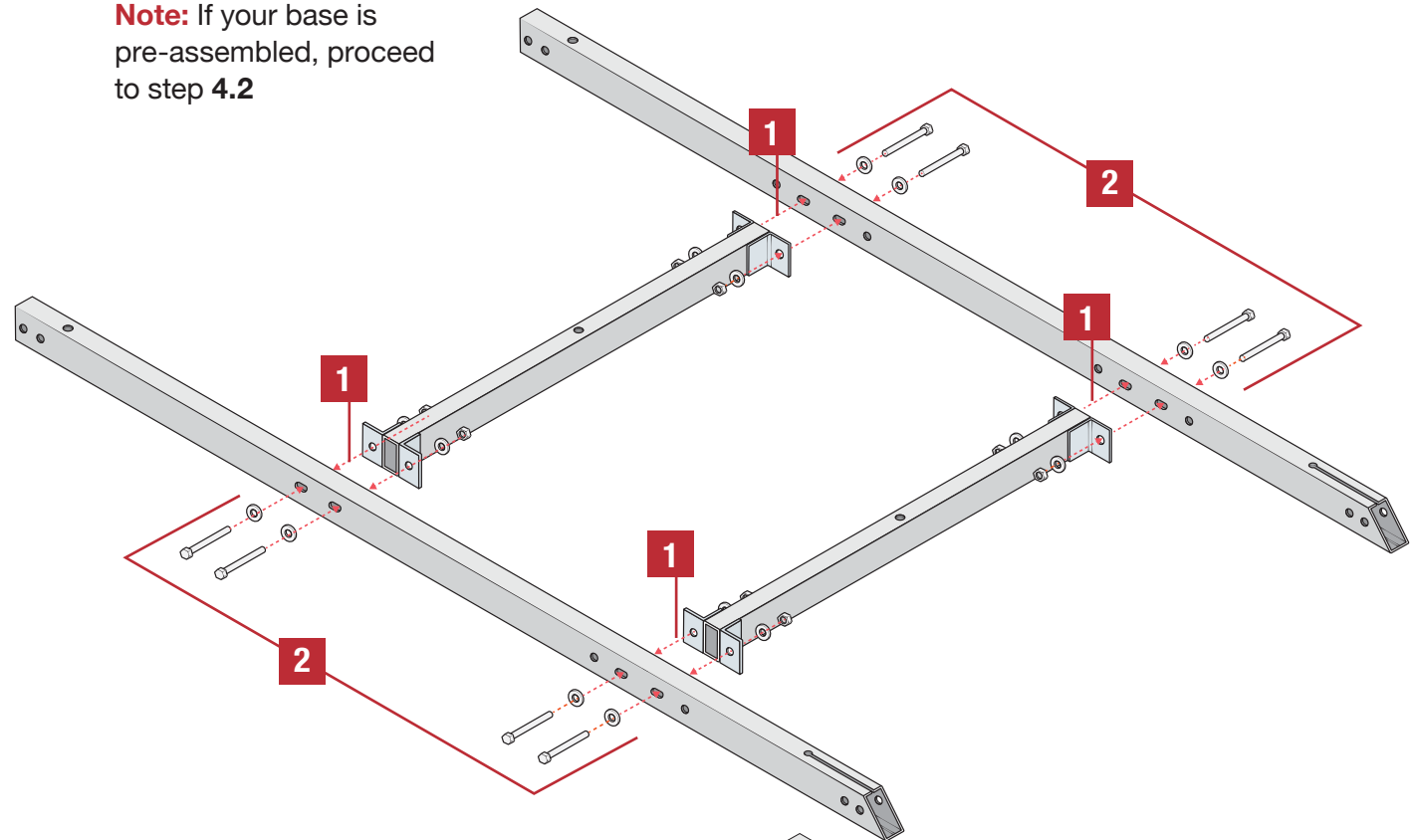


4.0 ASSEMBLE

Note: If your base is pre-assembled, proceed to step 4.2

4.1 Assemble the Base Support

1. Align the holes in the *long support tubes* with the holes in *cross support tubes*.
2. Secure the tubes with 2.75" bolts, 1/2" flat washers and 1/2" nylock nut(s).



Completed base support assembly.

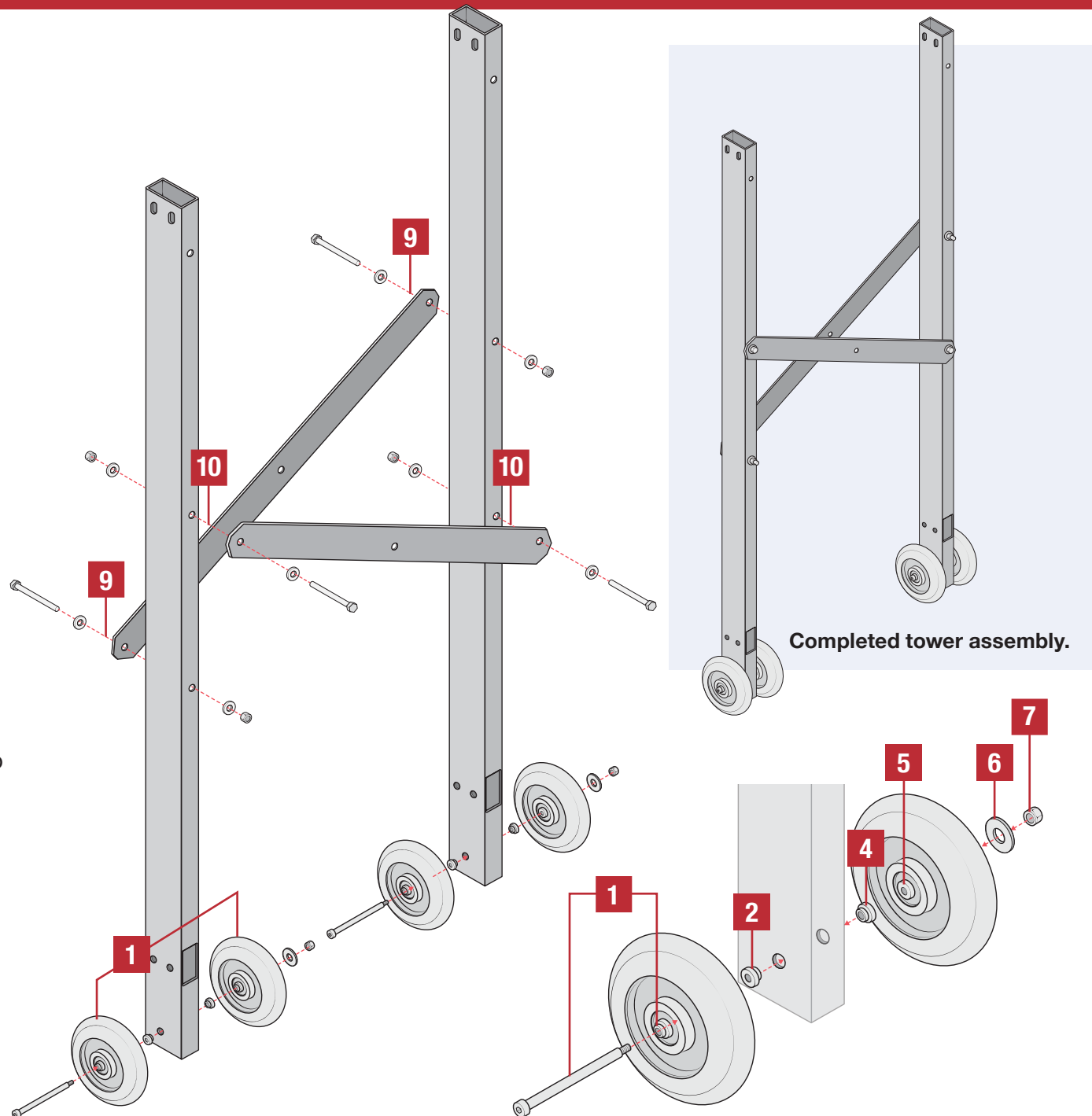
4.2 Assemble the Tower

4.2.1 Attach the wheels to the platform support tubes

1. Place a *wheel* on 7" *shoulder bolt*.
2. Place the 1/2" *bearing* on 7" *shoulder bolt*.
Note: Orient the bearing so it fits into the *tower tube*.
3. Slide the 7" *shoulder bolt* through the *tower tube*.
4. Place the second 1/2" *bearing* on 7" *shoulder bolt*.
Note: Orient the bearing so it fits into the *tower tube*.
5. Place the second *wheel* on 7" *shoulder bolt*.
6. Place a 1/2" *flat washer* on the outside of the second *wheel*.
7. Fasten the wheels to the *tower tubes* using a 1/2" *nylock nut*.
8. Repeat steps 1 - 7 to attach the wheels to the second *tower tube*

4.2.2 Attach the diagonal braces to the tower tubes

9. Align the holes in the *diagonal tower brace* to the holes on the outside of the *tower tubes*. Fasten with a 1/2" *flat washer* and 1/2" *nylock nut(s)*.
10. Align the holes in the second *diagonal tower brace* to the holes on the outside of the *tower tubes*. Fasten with a 1/2" *flat washer* and 1/2" *nylock nut(s)*.





4.3 Assemble the Ladder

4.3.1 Attach the steps to the ladder stringers

1. Starting with the bottom step, align the holes in the **ladder stringer** with the holes in the **step**. Insert a **3" bolt** with a **3/8" flat washer** through the hole. From the **underside of the step**, fasten with a **3/8" nylock nut(s)** and **3/8" flat washer**.

Note: Loosely tighten the nuts at this time.

Repeat this procedure for the three remaining bolt holes on the step.

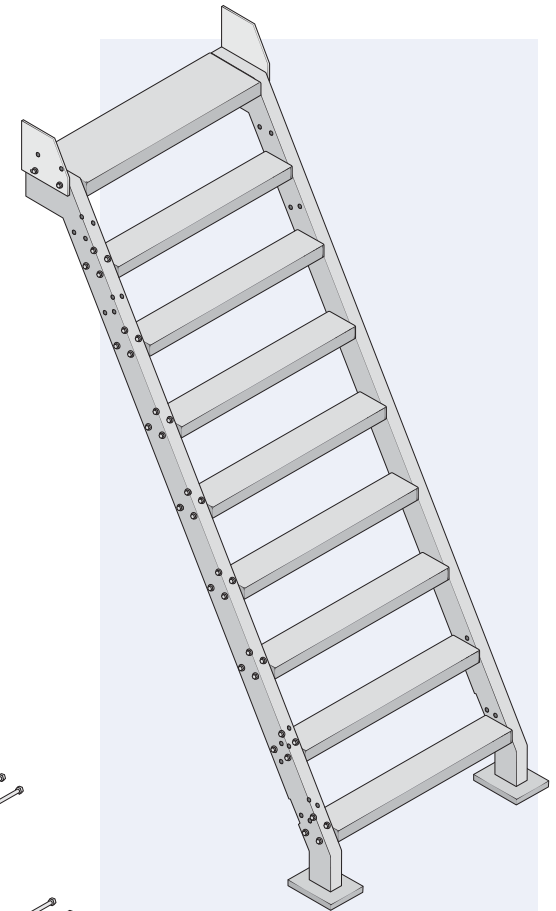
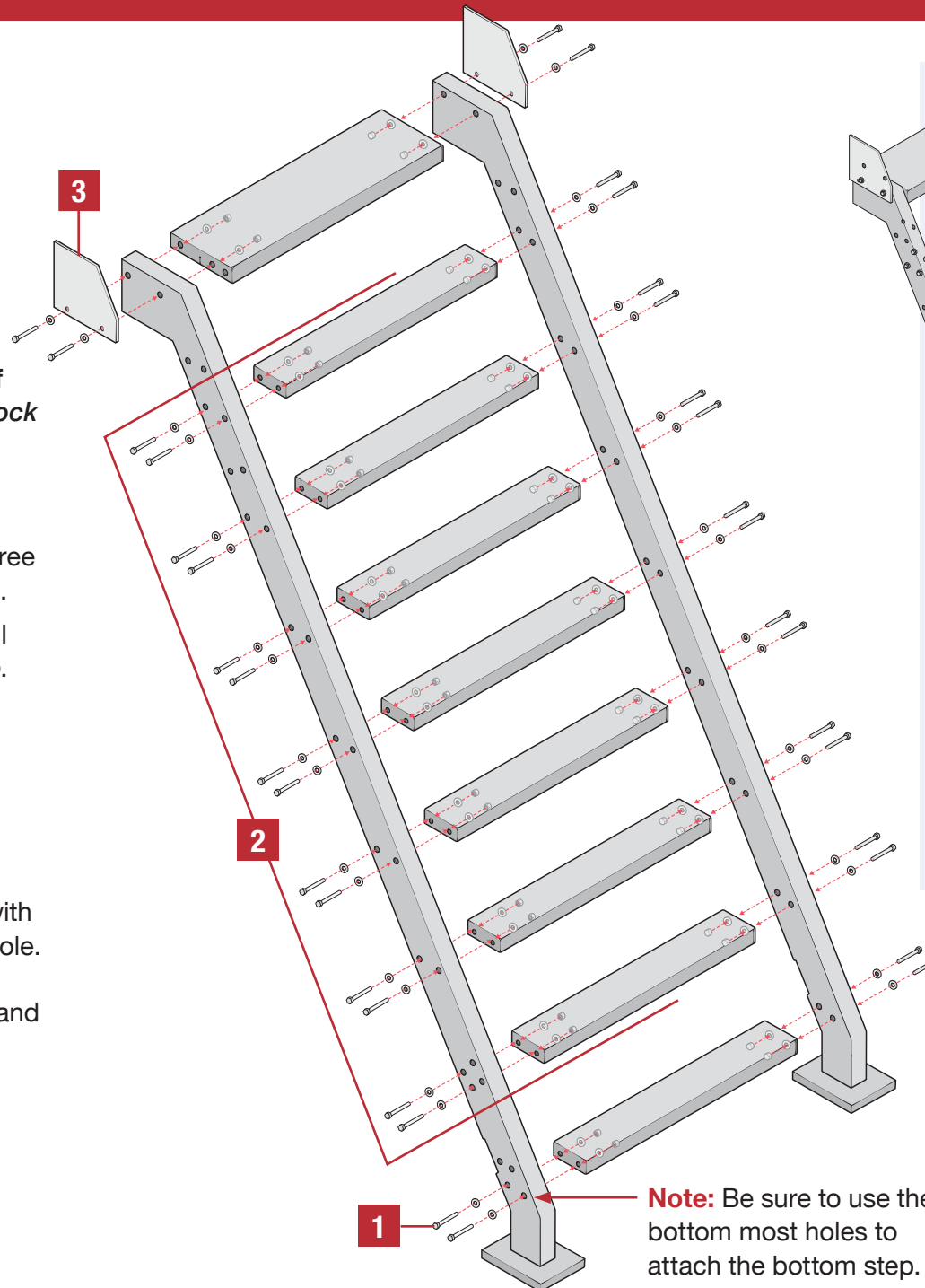
2. Repeat **step 1** for each step until you reach the **top platform step**.

4.3.2 Attach the toe-board to the ladder stringer

3. Align the holes in the **short toe board** with the top holes of the **ladder stringer** and the top **platform step**. Insert a **3" bolt** with a **3/8" flat washer** through the hole. From the underside of the step, fasten with a **3/8" nylock nut(s)** and **3/8" flat washer**.

Repeat this procedure on the opposite side of the ladder.

4. Tighten all bolts on the ladder assembly at this time.



Completed ladder assembly.

Note: If your ladder is pre-assembled, proceed to **step 4.4**.

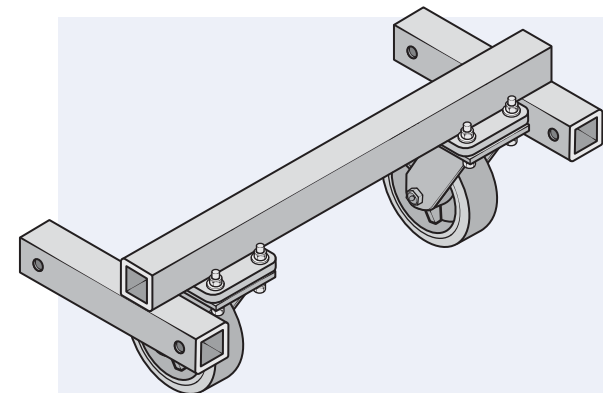
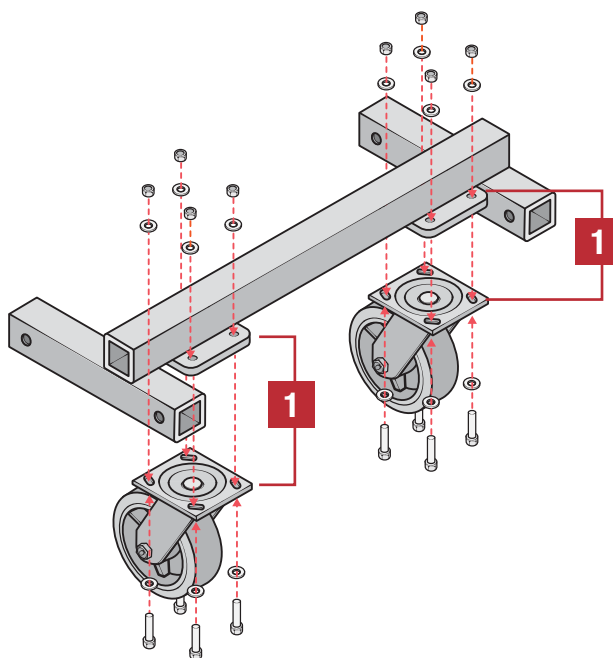
Note: Be sure to use the bottom most holes to attach the bottom step.

4.4 Assemble the Deployable Caster System

4.4.1 Attach the casters to the caster tubing

1. Align the holes in the *top caster tubes* with the holes on the top of the *caster*. Fasten with 1 $\frac{1}{2}$ " *bolt*, $\frac{1}{2}$ " *washer* and $\frac{1}{2}$ " *nylock nut(s)*.

Repeat this procedure for the opposite caster wheel.

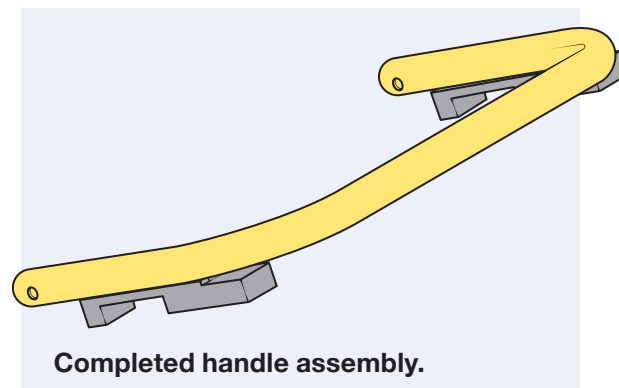
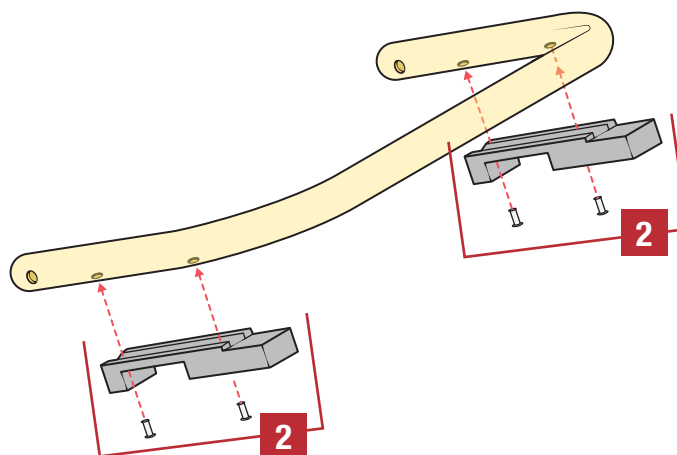


Completed caster assembly.

4.4.2 Assemble the deployable handle.

2. Align the holes on the bottom of the *handle* with the holes in the *handle bumper*. Fasten with $\frac{1}{4}$ " *rivets*.

Repeat this procedure for the opposite bumper.

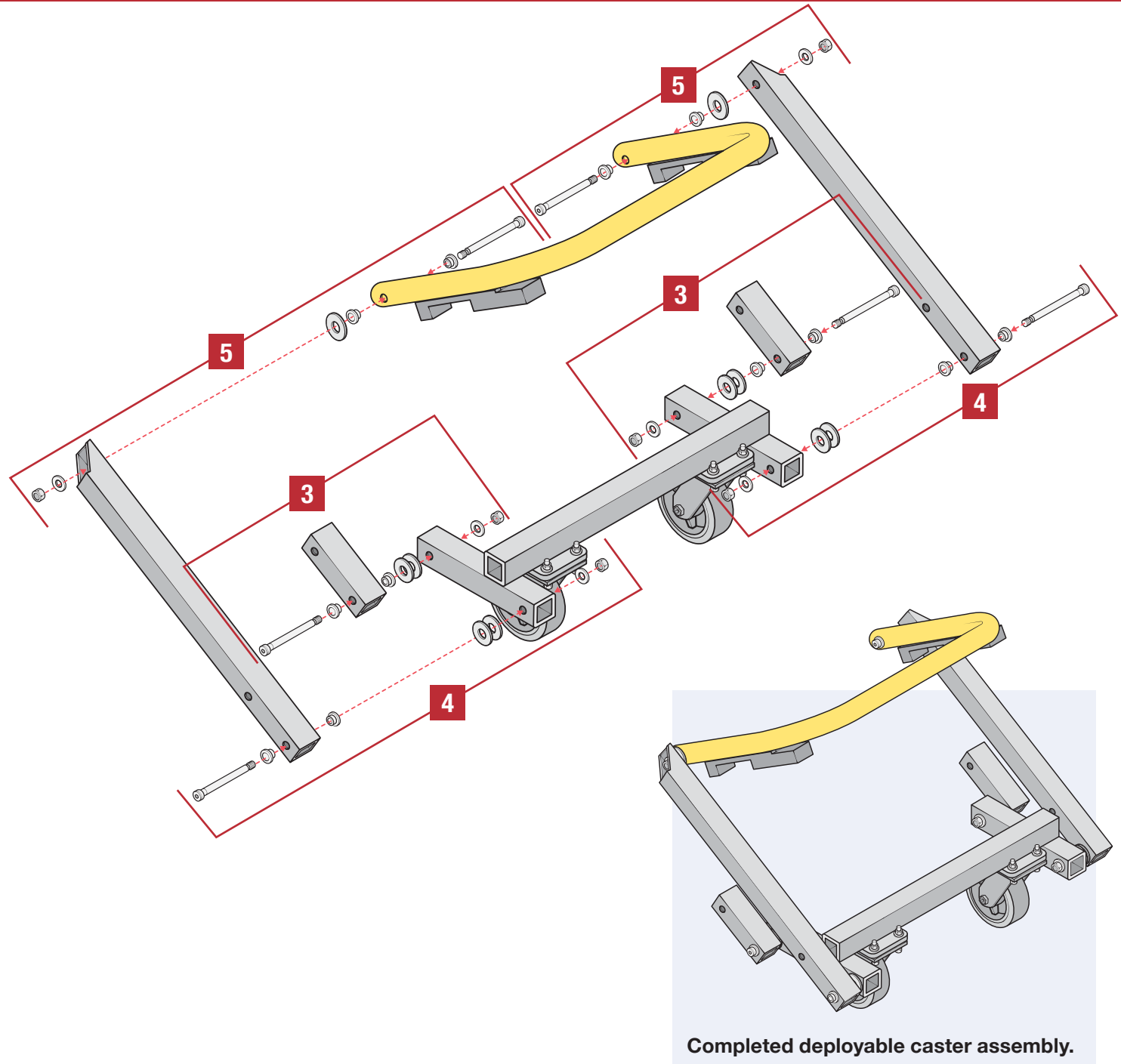


Completed handle assembly.



4.4.3 Attach the deployable tubing

3. Place two *large spacers*, and a *bushing* between bottom holes of the *short tube* with the left. holes in the *caster assembly*. Fasten with a *4 1/2" shoulder bolt*, *bushing*, *1/2" nut* and *1/2" washer*. Repeat this procedure on the opposite side.
4. Place two large *spacers* and *bushing* between the right caster hole and bottom hole of the *upright tube*. Fasten with a *4 1/2" shoulder bolt*, *bushing*, *1/2" nut* and *1/2" washer*. Repeat this procedure on the opposite side.
5. Place a *large spacer* and *bushing* between the *handle assembly* and the angled end of the *upright tube*. Fasten with a *4 1/2" shoulder bolt*, *bushing*, *1/2" nut* and *1/2" washer*. Repeat this procedure on the opposite side.

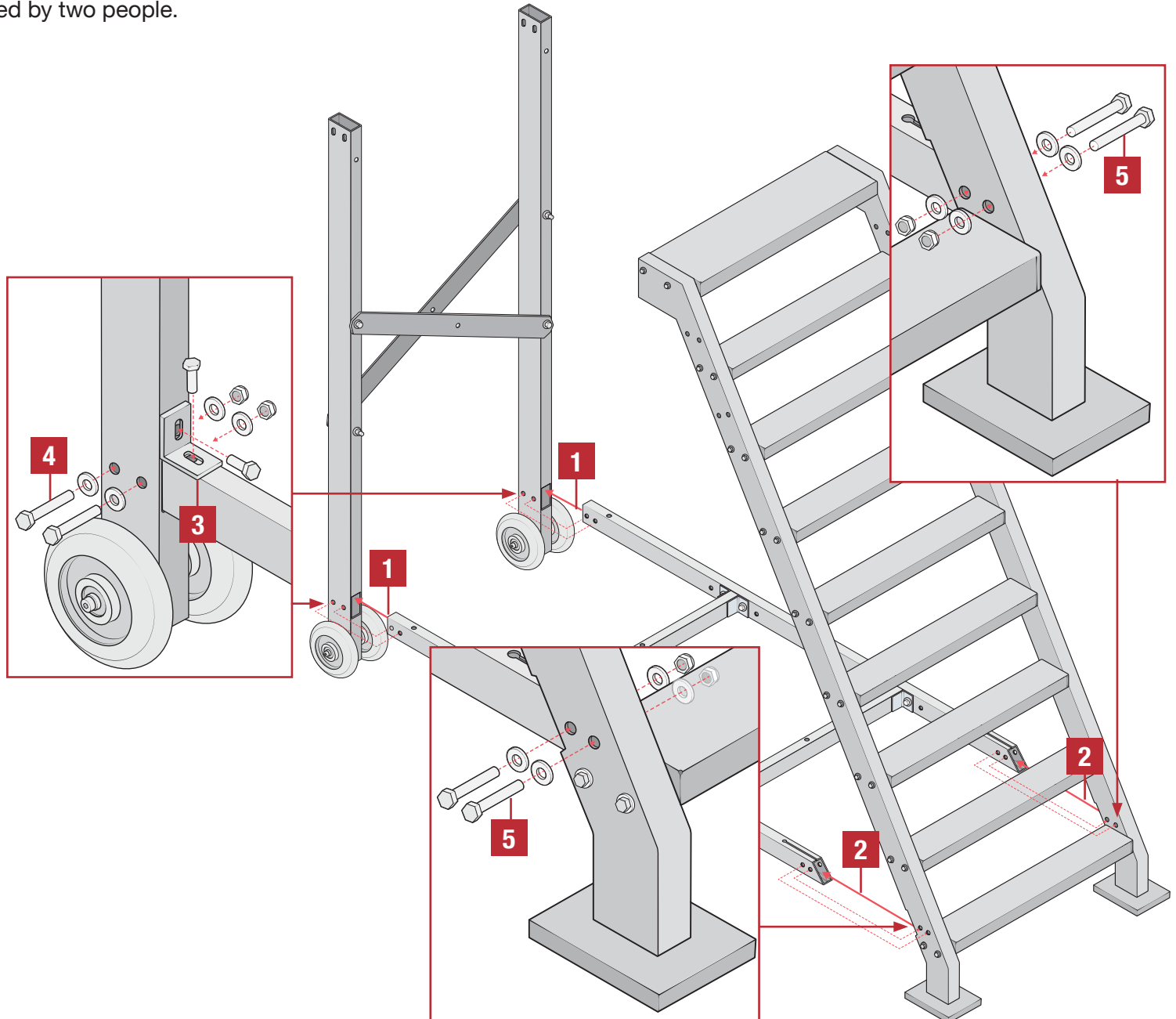


4.5 Attach the Tower Assembly to the Ladder Assembly

TIP! This step is best be performed by two people.

4.5.1 Attach the base support assembly

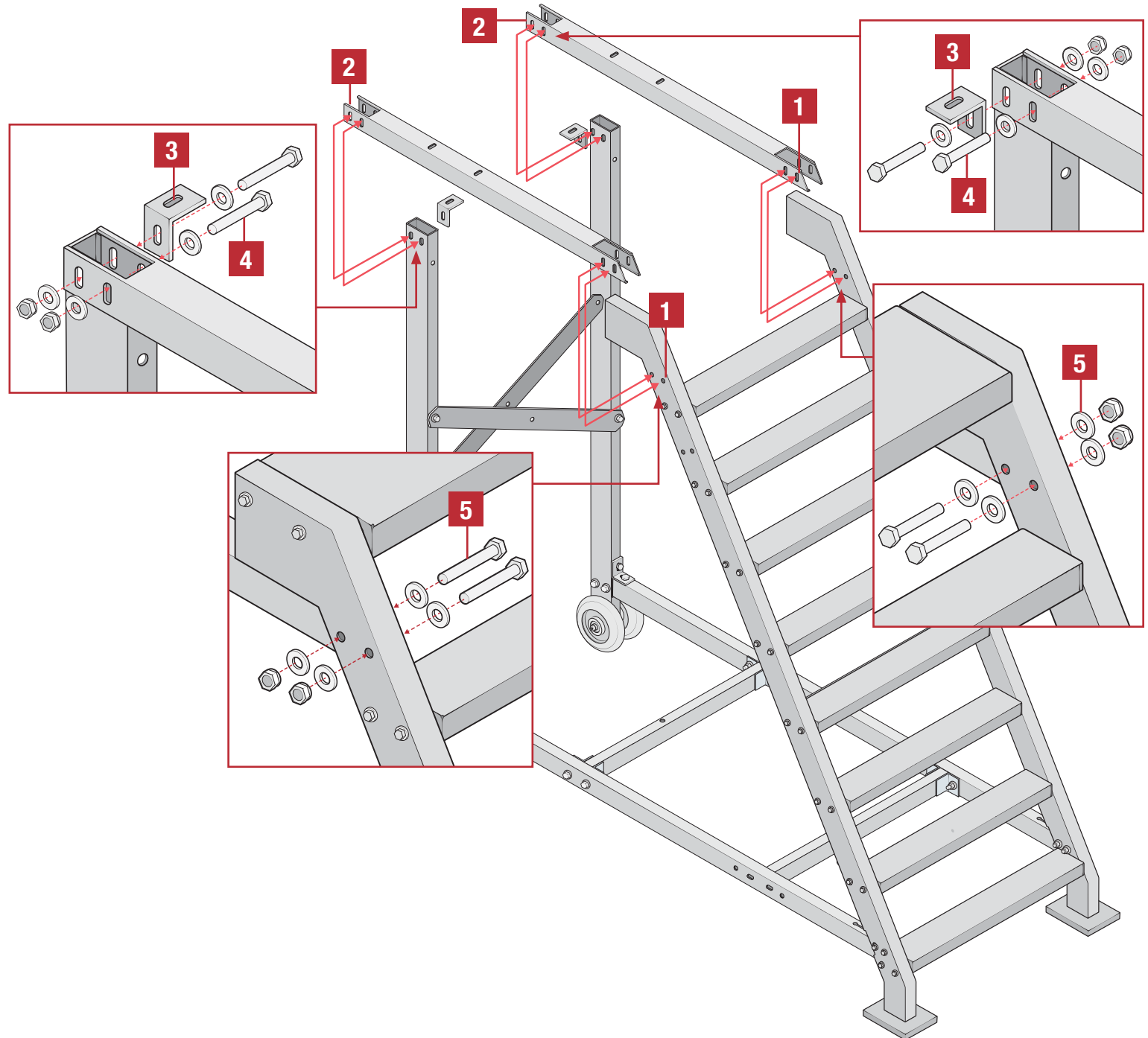
1. Slide the square end of the **base support assembly** into the square openings on the bottom of the **tower tubes**.
2. Slide the angled end of the **base support assembly** into the square openings on the bottom of the **ladder assembly**.
3. Place an **L-bracket** over the holes on the **tower tubes** and **base support tubes**. Fasten with a **1/2" bolt**.
4. Ensure the holes of the **base support tube** align with **tower tubes**. Fasten with a **3 1/2" bolt**, two **1/2" washers** and a **1/2" nut**.
5. Align the holes on the angled end of the **base support tube** with the bottom holes of the **ladder**. Fasten with a **3 1/2" bolt**, two **1/2" washers** and a **1/2" nut**.





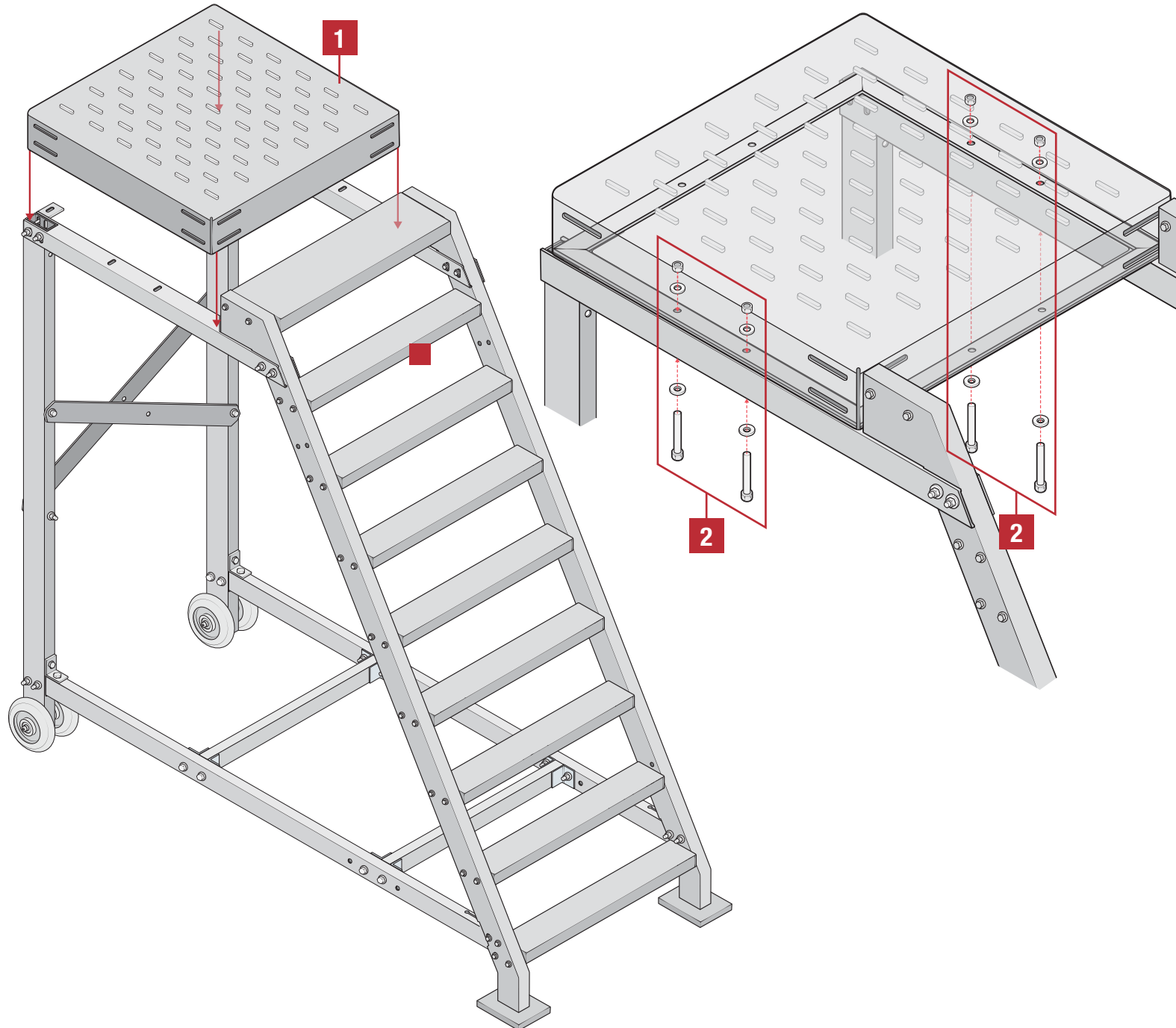
4.5.2 Attach the top support tubes

1. Slide the angled end of the **top support tube** down into the square opening in the back of the **ladder assembly**.
2. At the same time, lower the square end of the **top tube support** over the top ends of the **tower assembly** until the holes are fully aligned.
3. Align the holes of an **L-bracket** over the far hole of the **tower assembly** and **base support** holes. Fasten with a **4" bolt**, two **1/2" washers** and a **1/2" nylock nut**.
4. Fasten the second hole of the top platform tube with a **4" bolt**, two **1/2" washers** and a **1/2" nylock nut**.
5. Ensure the **top support tube** holes are aligned with the **ladder** holes. Secure with **4" bolt**, two **1/2" washers** and a **1/2" nylock nut**.



4.6 Attach the Platform

1. Place the *platform* over the top of the *top support tubes*. Ensure the platform is centered and the holes on the bottom of the platform align with the holes in the top tubes.
2. Working from underneath the platform, fasten the platform to the top support tubes with a *4" bolt*, two *1/2" flat washers* and a *1/2" nylock nut*.

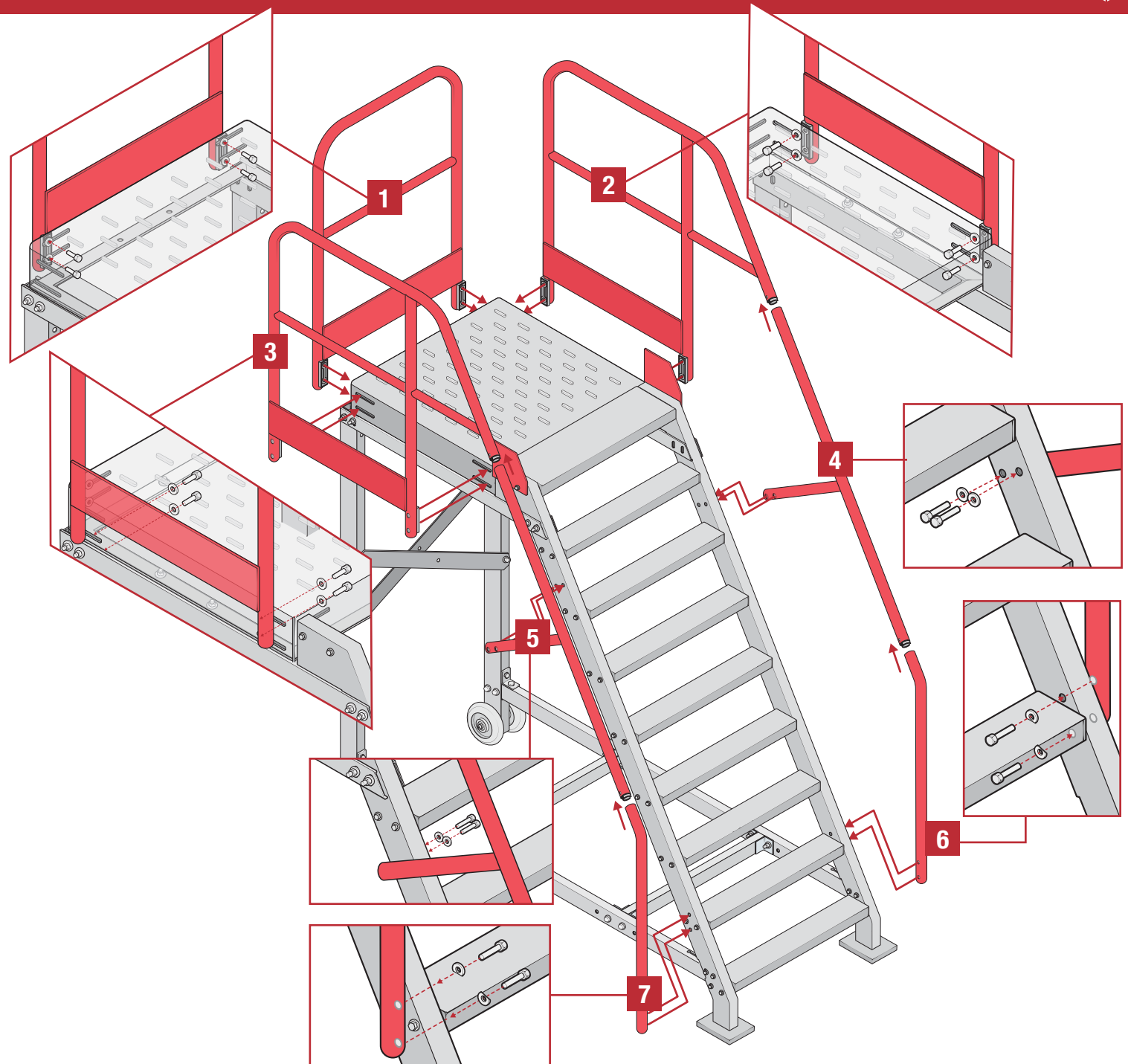




4.7 Attach the Guardrails

Note: All connection points are performed from underneath the platform and/or steps.

1. Align the holes on the **back guardrail** with the holes of the **platform back**. Fasten with **1/2" flat washer** and **1 1/2" bolt**.
2. Align the holes on the **side guardrail** to the side of the platform. Fasten with **1/2" flat washer** and **1 1/2" bolt**.
3. Repeat step 2 on the opposite guardrail.
4. Insert a **T-piece rail** into the end of the side railing. Fasten with **1/2" flat washer** and **1 1/2" bolt**.
5. Repeat step 4 on the opposite T-piece railing.
6. Insert an **end rail** into the T-piece railing. Fasten with a **1/2" clipped flat washer** and **1 1/2" bolt**.
7. Repeat step 6 on the opposite side of the ladder.



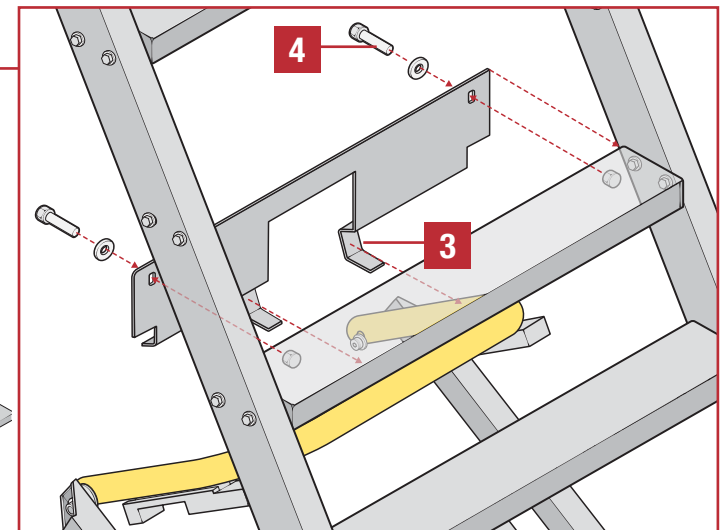
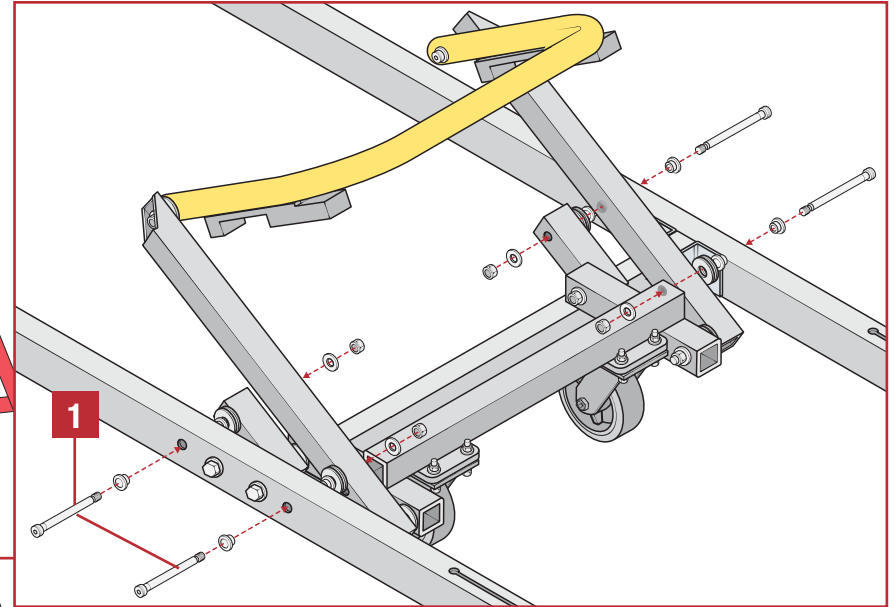
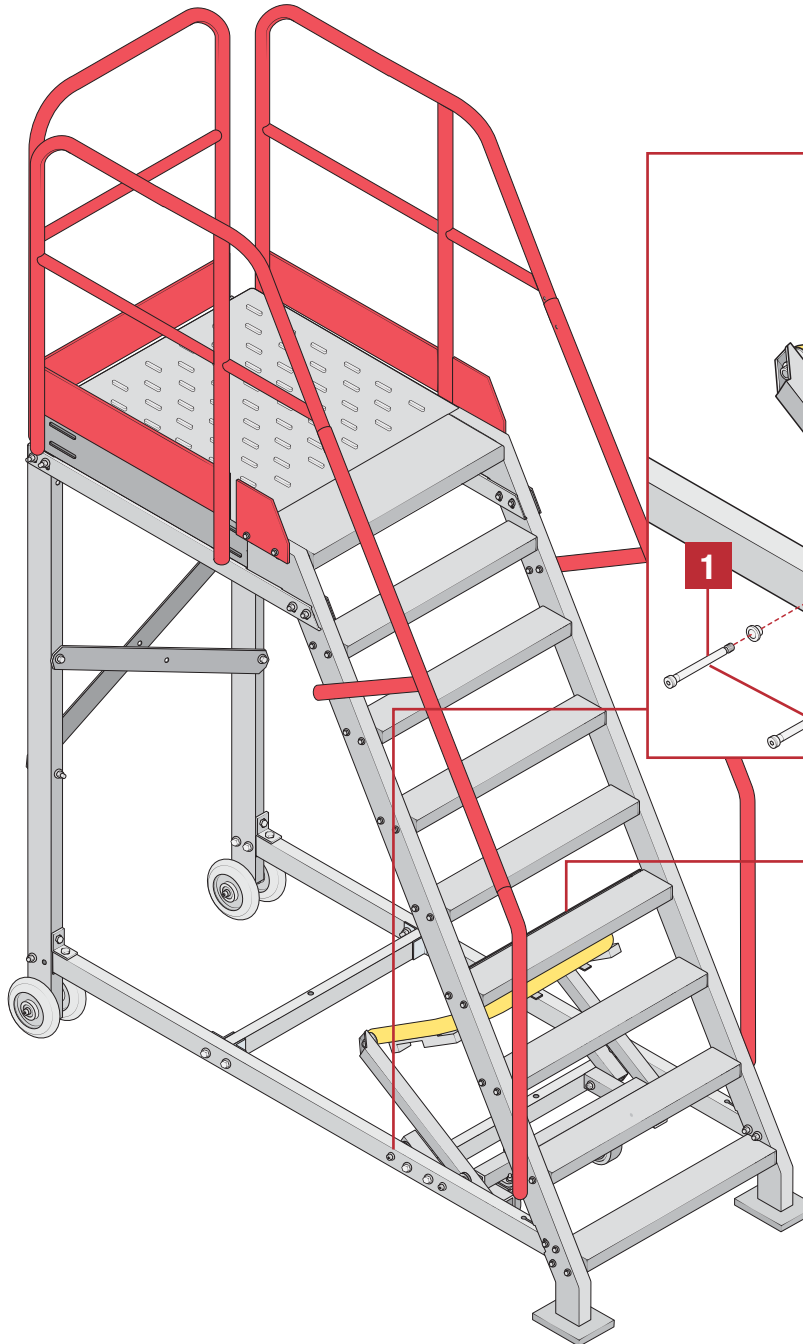
4.8 Attach the Deployable Caster System

4.8.1 Attach the deployable casters

1. Place two spacers between the *short tube* and *long base support tube*. Fasten with a *4 1/2" shoulder bolt*, *1/2" bushing*, *1/2" flat washer* and *1/2" nylock nut(s)*. Repeat this step on the opposite side.

4.8.2 Attach the deployable plate

3. Hook the *deployable plate brackets* under the *deployable handle*.
4. Working from the back of the steps align the holes of the *deployable plate* with the holes in the back of the *step* (fourth from the bottom). Fasten with a *1 1/2" bolt*, *1/2" flat washer* and a *1/2" nylock nut(s)*.

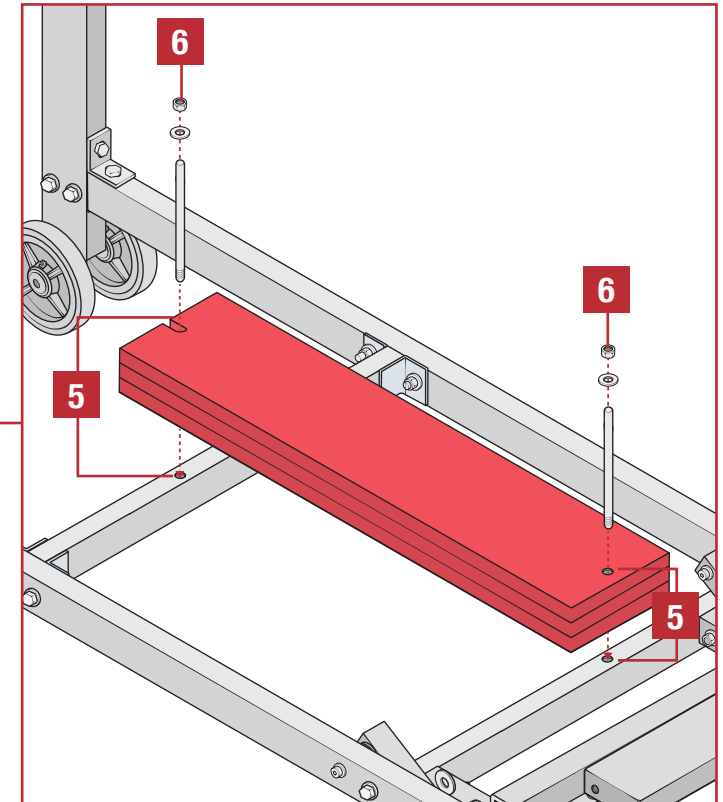
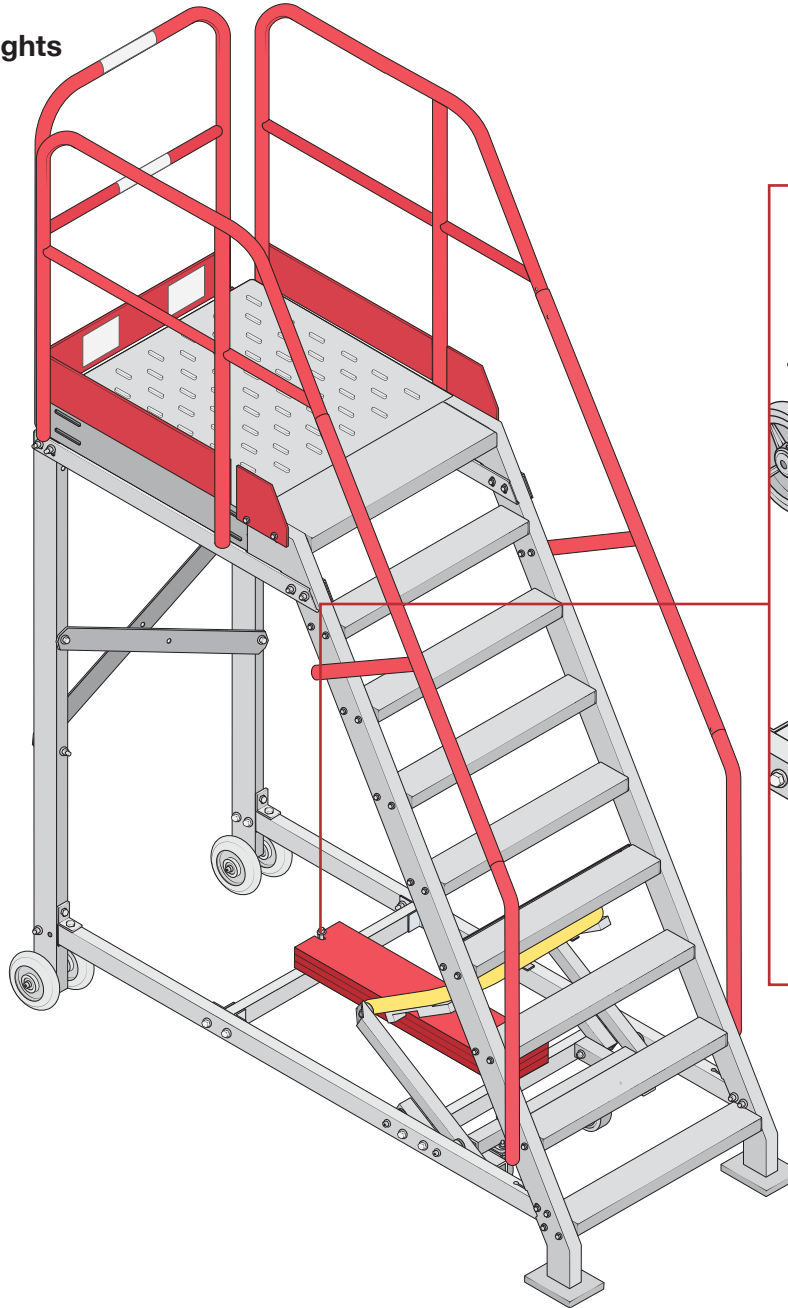




4.8.3 Attach the counterweights

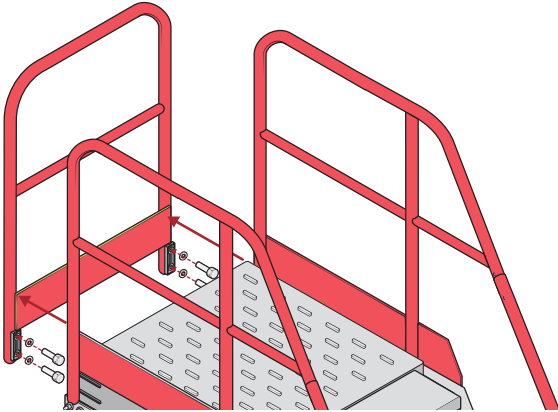
IMPORTANT! Before using the PROStep install the counterweights to prevent a tip-over.

5. Once the PROStep is in the desired position align the middle holes in the *counterweights* with the holes in the *base support cross tubes*.
6. Insert the *long bolt* through the *counterweights* and fasten with a *1/2" flat washer* and *1/2" nylock nut(s)* on both sides of the weights.



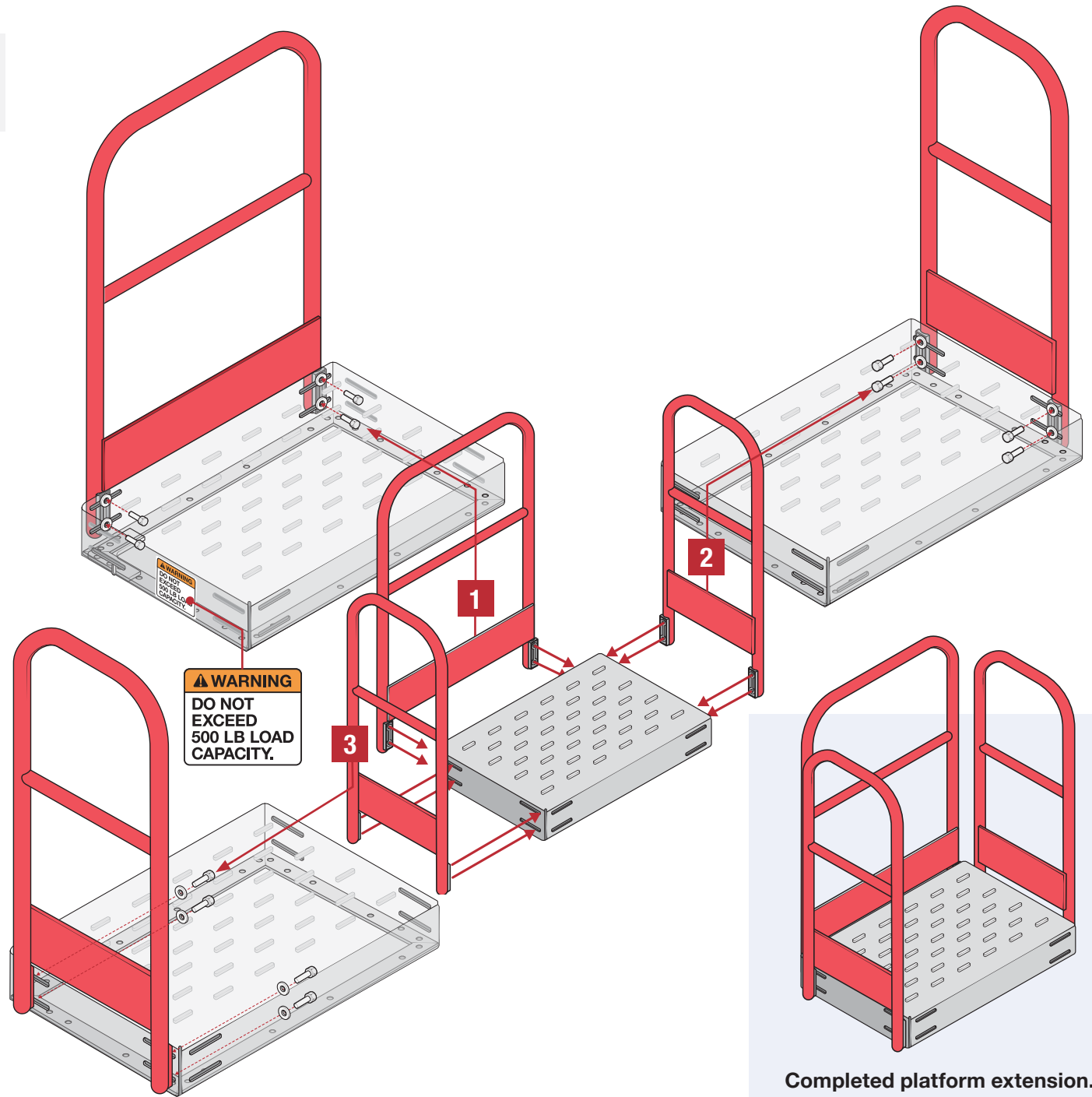
5.0 ADD-ON OPTION

Note: If you are adding the platform extension to an existing PROStep you will need to remove the *back platform guardrail* before you begin attaching the platform extension.



5.1 Assemble the Platform Extension

1. Align the holes on the *back guardrail* with the holes of the *platform back*. Fasten with *1/2" flat washer* and a *1 1/2" bolt*.
2. Align the holes on the *side guardrail* to the side of the platform. Fasten with a *1/2" flat washer* and *1 1/2" bolt*.
3. Repeat step 2 for the opposite guardrail.

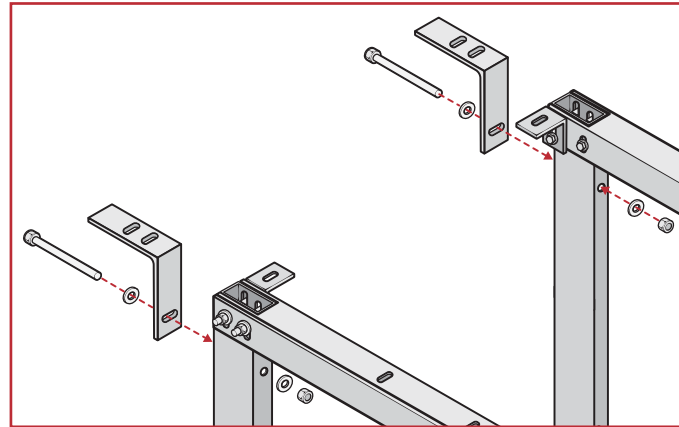




5.2 Attach the Platform Extension

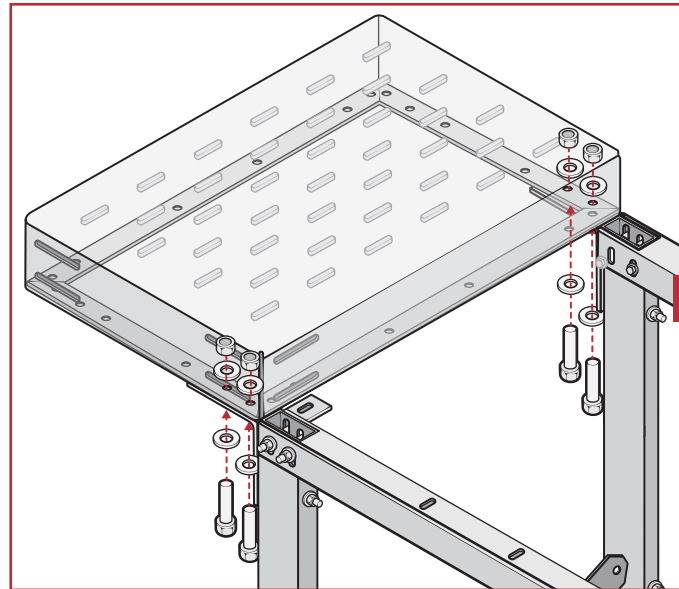
5.1.1 Attach the angle brackets

1. Align the hole on the *angle bracket* with the hole on the top of the *tower tube*. Fasten with a **5 1/2" bolt**, two **1/2" flat washers** and a **1/2" nut**. Repeat this procedure on the opposite tower tube.

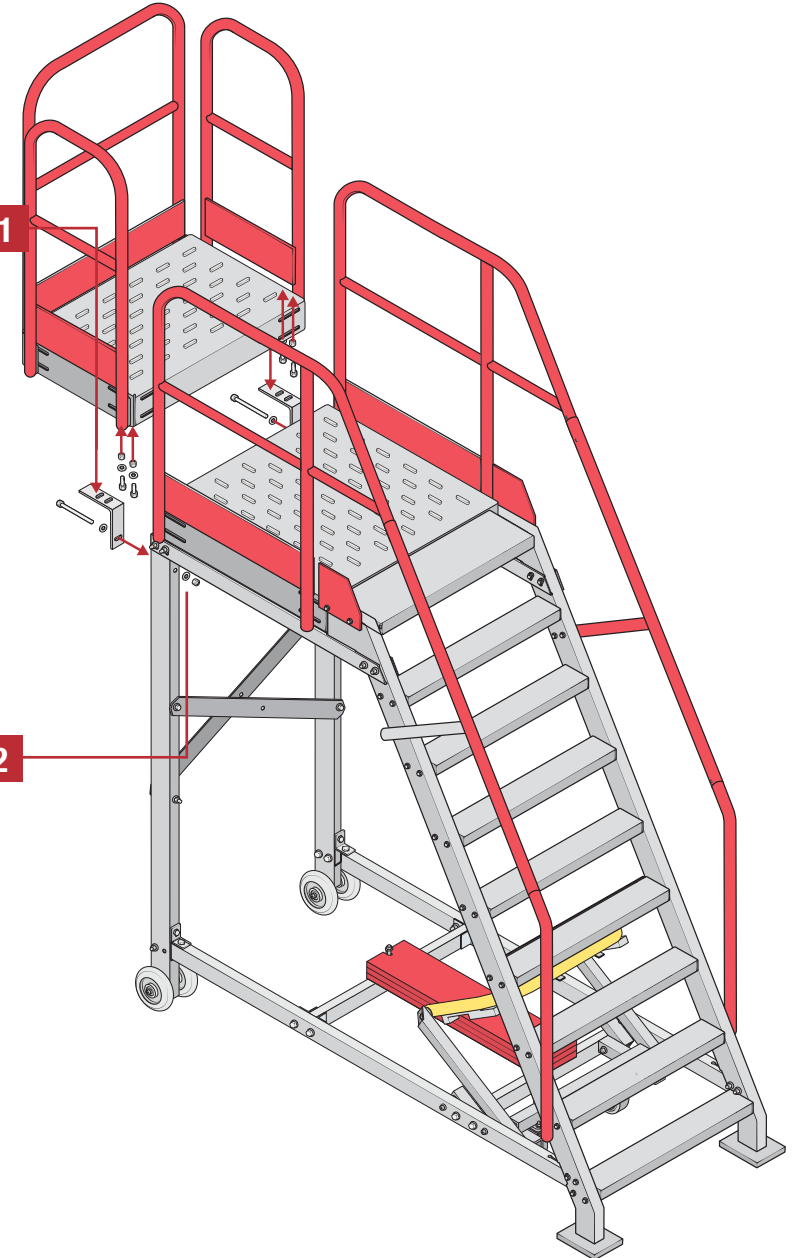


5.1.2 Attach the platform

2. Place the *platform* over the *angle bracket* ensuring the holes on the bottom of the platform align with angle brackets. Fasten with a **1 1/2" bolt**, two **1/2" flat washers** and a **1/2" nut**.



TIP! Use a bar lift to lift the platform extension to the PROStep platform.



6.0 SYSTEM DESIGN

United States of America
Department of Labor
 Occupational Safety & Health Administration

1910.29(a)
 “General requirements”-

1910.29(a)(1)
 “Application.” This section is intended to prescribe rules and requirements for the design, construction, and use of mobile work platforms (including ladder stands but not including serial ladders and rolling (mobile) scaffolds (towers). This stand is promulgated to in providing for the safety of life, limb and property, by establishing minimum standards for structural design requirements and for the use of mobile work platforms and towers.

1910.29(a)(2)
 “Working loads.”

1910.29(a)(2)(I)
 Work platforms and scaffolds shall be capable of carrying the design load under varying circumstances depending upon the conditions of use. Therefore, all parts and appurtenances necessary for their safe and efficient utilization must be integral parts of the design.

1910.29(a)(2)(II)
 Specific design and construction requirements are not part of this section because of the wide variety of materials and design possibilities. However, the design shall be such as to produce a mobile ladder stand or scaffold that will safely sustain the specified loads. The material selected shall be of sufficient strength to meet the test requirements and shall be protected against corrosion or deterioration.

1910.29(a)(2)(ii)(a)
 The design working load of ladder stands shall be calculated on the basis of one or more 200-pound (91kg) persons together with 50 pounds (23kg) of equipment each.

1910.29(a)(2)(ii)(b)

The design load of all scaffolds shall be calculated on the basis of
 Light - Designed and constructed to carry a working load of 25 pounds per sq. ft.. (11kg)

Medium - Designed and constructed to carry a working load of 50 pounds per sq. ft.. (23kg).

Heavy - Designed and constructed to carry a working load of 75 pounds per sq. ft. (34kg).

All ladder stands and scaffolds shall be capable of supporting at least four times the design working load.

1910.29(a)(2)(iii)

The materials used in mobile ladder stands and scaffolds shall be of standard manufacture and conform to standard specifications of strength, dimensions, and weights, and shall be selected to safely support the design working load.

1910.29(a)(2)(iv)

Nails, bolts, or other fasteners used in the construction of ladders, scaffolds and towers shall be of adequate size and in sufficient numbers at each connection to develop the designed strength of the unit. Nails shall be driven full length. (All nails should be immediately withdrawn from dismantled lumber.)

1910.29(a)(2)(v)

All exposed surfaces shall be free from sharp edges, burrs or other safety hazards.

1910.29(a)(3)
 “Work levels.”

1910.29(a)(3)(i)

The maximum work level height shall not exceed four (4) times the minimum or least base dimensions of any mobile ladder stand or scaffold. Where the basic mobile unit does not meet this requirement, suitable outrigger frames shall be employed to achieve this least base dimension, or provisions shall be made to guy or brace the unit against tipping.

1910.29(a)(3)(ii)

The maximum platform width for any work level shall not be less than 20 in [508 mm] for mobile scaffold have a minimum step width of 16 in [406 mm].

**1910.29(a)(3)(iii)**

The supporting structure for the work level shall be rigidly braced, using adequate cross bracing or diagonal bracing with rigid platforms at each work level.

1910.29(a)(3)(iv)

The steps of ladder stands shall be fabricated from slip resistant treads.

1910.29(a)(3)(v)

The work level platform of scaffolds (towers) shall be of wood, aluminum, or plywood planking, steel or expanded metal full width of the scaffold, except for necessary openings. Work platform shall be secured in place. All planking shall be 2-inch [51 mm] (nominal) scaffold grade minimum 1,500 [457 m] (stress grade) construction grade lumber or equivalent.

1910.29(a)(3)(vi)

All scaffold work levels 10 feet (3048 mm) or higher above the ground or floor shall have a standard (4-inch) [51 mm] nominal toe-board.

1910.29(a)(3)(vii)

All work levels 10 feet [3048 mm] or higher above the ground or floor shall have a guardrail of 2 [51 mm]- by 4-inch [102 mm] nominal of the equivalent installed no less than 36 inches [914 mm] or more than 43 inches [1067 mm] high, with a mid-rail, when required of 1 [25 mm] - by 4-inch [102] nominal lumber or equivalent.

1910.29(a)(3)(viii)

A climbing ladder or stairway shall be provided for proper access and egress, and shall be affixed or built into the scaffold and so located that its use will not have a tendency to tip the scaffold. A landing platform shall be provided at intervals not to exceed 30 feet [9144 mm].

1910.29(a)(4)

“Wheels or casters.”

1910.29(a)(4)(i)

Wheels or casters shall be properly designed four (4) times the design working load.

1910.29(a)(4)(ii)

All scaffold casters shall be provided with a positive wheel and/or swivel lock to prevent movement. Ladder stand shall have at least two (2) of the four (4) casters and shall be of the swivel type.

1910.29(a)(4)(iii)

Where leveling of the elevated work platform is required, screw jacks or other suitable means for adjusting the height shall be provided in the base section of each mobile unit.

1910.29(e)

“Mobile work platforms”-

1910.29(e)(1)

“Design.” Units shall be designed for the use intended and shall comply with the requirements of paragraph (a) of this section.

1910.29(e)(2)

“Base width.” The minimum width of the base of mobile work platforms shall not be less than 20 inches [508 mm].

1910.29(e)(3)

“Bracing.” Adequate rigid diagonal bracing to vertical members shall be provided.



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